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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Qi Zhao et al.

Serial No.: 10/707,031

Filed: November 17, 2003

For: ITERATIVE CT
RECONSTRUCTION METHOD
USING MULTI-MODAL EDGE
INFORMATION

Group Art Unit: 2882

Examiner: Bruce, David Vernon

Atty. Docket: 134666-1/YOD
GERD:0365

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Mail Stop Amendment, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:

October 11, 2005
Date

Lynda Howell
Lynda Howell

**AMENDMENT AND RESPONSE TO
OFFICE ACTION MAILED JUNE 23, 2005**

Applicants hereby request a one (1) month extension in the statutory period for response to the Office Action from September 23, 2005 to October 23, 2005 in accordance with 37 C.F.R. § 1.136. The Commissioner is authorized to charge the requisite fee of \$120.00, and any additional fees which may be required, to Deposit Account No. 07-0868; Order No. 134666-1/YOD (GERD:0365).

This is in response to the office action mailed on June 23, 2005.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Qi Zhao et al.**)
Serial No.: **10/707,031**)
Filed: **November 17, 2003**)
For: **Iterative Ct Reconstruction Method Using Multi-Modal Edge Information**)

REQUEST FOR REFUND

Mail Stop 16
Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Attention: Refund Section, Accounting Division, Office of Finance

Sir:

We hereby request a refund of \$120 and \$200 which was erroneously charged to our Deposit Account 06-1130 on October 21, 2005, for (see enclosed copy of 10/05 monthly statement of Deposit Account No. 06-1130).

Please credit our Deposit Account No. 06-1130 for \$320.00 as this charge was not authorized by a registered attorney or agent of our firm.

Respectfully submitted,

CANTOR COLBURN LLP

By: 

David A. Fox
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Customer No. 23413
Date: November 15, 2005

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REMARKS

In the Office Action, claims 1-6 and 11-18 were rejected. Claims 7-10 and 19 were allowed. In response to the Office Action, claims 1, 3, 4, 11, 15, 17 and 18 and 19 are amended. Claims 2, 5 and 6 are cancelled. In addition, claim 20 was added to this response. No new matter has been added. Upon entry of the amendments, claims 1, 3, 4, and 7-20 will be pending in the present patent application. Reconsideration and allowance of all pending claims are requested.

Rejections Under 35 U.S.C. § 112

Claims 1 and 11-18 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. The Examiner submitted that the phrase "accurate forward projection" is indefinite as it is unclear what constitutes an accurate forward projection as opposed to any other forward projection. In response to the Office Action, Applicants have amended claims 1, 4, 11, 15, 17, 18 and 19 to remove the term "accurate". Accordingly, Applicants request that the Examiner reconsider and remove the § 112, second paragraph rejection.

Rejections Under 35 U.S.C. § 102

Claims 1, 5 and 6 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6, 381,349 B1 (hereinafter "Zeng"). Anticipation requires the disclosure in a single prior art reference of each element of the claim under consideration.

The Examiner indicated that claims 2-4 would be allowable if rewritten to include all of the limitations of the base claim and any intervening claims. In response to the Office Action, Applicants have cancelled claim 2 and amended claim 1 to incorporate the allowable subject matter of claim 2 into claim 1. In addition Applicants have cancelled claims 5 and 6. In view of the above amendments and remarks, Applicants respectfully

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submit that the rejections under 35 USC §102(b) have been obviated, and that claims 1, 3, 4 are in a condition for allowance.

New claim 20

Newly added claim 20 recites implementing an iterative image reconstruction process for CT metrology of an object, wherein the iterative reconstruction process utilizes prior outer edge information obtained from a modality in addition to CT. Applicants added claim 20 to point out additional patentable features. No new matter is added. Claim 20 is patentable for the same reasons as indicated by the Examiner as for the other claims.

Conclusion

In view of the remarks and amendments set forth above, Applicants respectfully request allowance of the pending claims. If the Examiner believes that a telephonic interview will help speed this application toward issuance, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,

Date: 10/11/2005

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Deposit Account Statement

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10/20 118	60727360	CTE-0005	1005	\$200.00	\$28,094.00
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